(12) **United States Patent**   (10) **Patent No.:**   **US 6,567,710 B1**

Boelkins   (45) **Date of Patent:**   **May 20, 2003**

(54) **PROGRAM-CONTROLLED FLUID SUPPLY SYSTEM AND CONTROLLER THEREFOR**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/517,044**

(22) Filed: **Mar. 2, 2000**

(51) **Int. Cl.**^{7} **G05B 13/02**

(52) **U.S. Cl.** **700/46**; 700/282; 700/283; 137/87.03; 184/7.4; 184/17; 222/544

(58) **Field of Search** 700/46, 282, 283; 137/2, 8–9, 13, 87.03; 222/594–595, 544–545, 52, 56, 61; 184/7.4, 8, 14, 15.1, 17

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(57) **ABSTRACT**

A fluid supply system controller includes a processor, a memory subsystem and fluid application code. The memory subsystem is coupled to the processor and stores data and instructions. The fluid application code causes the processor to perform the steps of receiving a workpiece width, a workpiece feed length, a workpiece stroke rate, a workpiece fluid thickness and a calibrated flow rate. The fluid application code then causes fluid to be periodically provided to the workpiece for a fixed duration responsive to the received workpiece width, workpiece feed length, workpiece stroke rate, workpiece fluid thickness and calibrated flow rate.

20 Claims, 9 Drawing Sheets